

# Pete Potipitak

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## TECHNICAL SKILLS AND HIGHLIGHTS

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- **Languages:** Java, Python, JavaScript, Swift, Kotlin, SQL, C++/C#
- **Frameworks & Tools:** React, Node.js, Flask, Firebase, MongoDB, Docker, Git, Django
- **Core Strengths:** Scalable backend architecture (Amazon), RESTful API design, unit test frameworks (Pytest, JUnit), CI/CD automation, backend performance optimization
- **Product impact:** Built Alexa Routines tracing features (Amazon); led AI-powered school app platform (STEM Coding Academy)

## EXPERIENCE

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- **STEM Coding Academy, Walnut—Academic Director, Programming Instructor** Feb 2025 - Current
  - Designed and led coding curriculum development, including an AI-powered school management app with custom portals for students, teachers, and administrators.
  - Taught programming and other STEM curriculum; explained complex technical concepts in accessible ways.
  - Directed teacher onboarding, training, and support to ensure curriculum consistency and delivery quality.
  - Managed scheduling, program logistics, and class supervision to ensure smooth weekend operations.
- **Amazon, Irvine—Software Development Engineer Intern** Aug 2022 - Nov 2022
  - Integrated distributed tracing into 6 Java-based Alexa Routines services, improving latency insights and supporting system-wide performance optimization.
  - Designed and implemented reusable service interfaces aligned with API design best practices, collaborating with cross-functional teams in an Agile workflow.
  - Developed unit testing suite with 100% coverage, improving service reliability and reducing regression by 30%.
  - Identified and addressed latency bottlenecks, contributing to the scalability and stability of production-level backend services.
- **ASSURE-US, Fullerton—Research Intern** Jun 2022 - July 2022
  - Analyzed large-scale medical data on stroke victims using Python and data science techniques.
  - Applied knowledge of databases and data structures to draw insights and identify patterns.
  - Demonstrated strong analytical thinking and problem-solving in a research-driven environment.

## EDUCATION

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- **California State University, Fullerton** Fullerton, CA  
*Bachelor of Science in Computer Science,* Graduation Year 2024
- **Orange Coast College** Costa Mesa, CA  
*Associate of Science in Computer Science,* Graduation Year 2021

## PROJECTS

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- **MyMuze** <https://github.com/Tepah/MyMuze>  
*Mobile Development, Firebase, SwiftUI, Alamofire, SpotifyAPI* Swift
  - Built an iOS music discovery app with secure user authentication and real-time data using Firebase.
- **Dose** <https://github.com/Tepah/dose>  
*Mobile Development, Firebase, ReactNative, Node.js* Typescript, Javascript
  - Built modular backend API using Node.js and Firebase with secure authentication and structured API design principles.
  - Applied unit testing and modular components to ensure maintainability and testability.
- **Other Projects:** Peppermint (SveltKit, Tailwind + Skeleton, FastAPI, Pytest), OutTheChat (React, Mongodb, express, typescript), Braincache (Kotlin, Mongodb, express, Android app)